

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

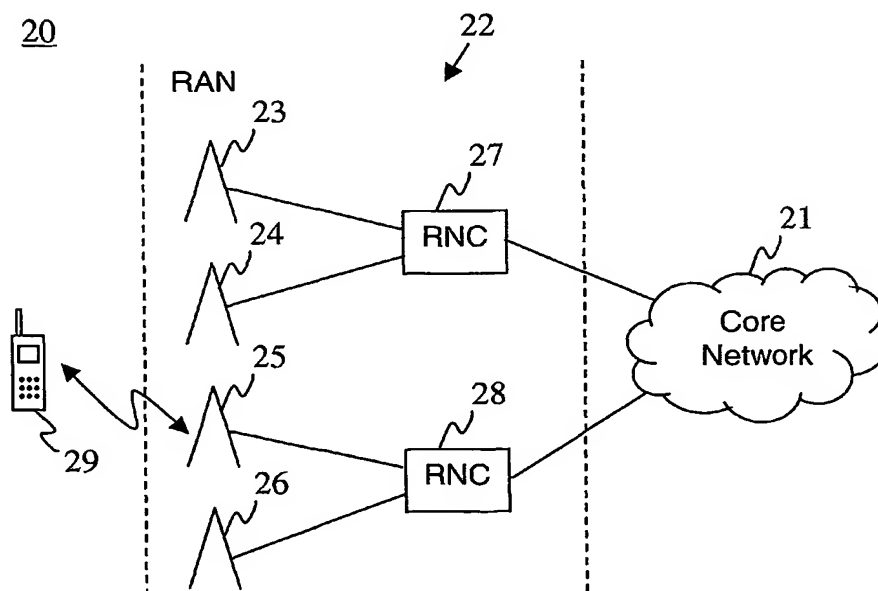
PCT

(10) International Publication Number
WO 2005/060178 A1

- (51) International Patent Classification⁷: **H04L 12/56**, 29/06, H04Q 7/22 (74) Agent: **FORSSÉN & SALOMAA OY**; Eerikinkatu 2, FIN-00100 HELSINKI (FI).
- (21) International Application Number: **PCT/FI2004/000765** (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 15 December 2004 (15.12.2004)
- (25) Filing Language: Finnish
- (26) Publication Language: English
- (30) Priority Data: 20031853 18 December 2003 (18.12.2003) FI
- (71) Applicant (for all designated States except US): **NOKIA CORPORATION** [FI/FI]; Keilalahdentie 4, FIN-02150 ESPOO (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **KALLIO, Hans** [FI/FI]; Ilvankatu 11 A 2, FIN-37120 NOKIA (FI).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: A DATA TRANSMISSION METHOD FOR WIRELESS PACKET DATA BASED DATA TRANSMISSION



(57) Abstract: The invention relates to a data transmission method which comprises transmitting information over a wireless transmission link in the form of data packets. The method comprises utilising a first protocol layer that adapts data packets according to a second, higher protocol layer to a form suitable for wireless data transmission, transmitting information used to identify the packets on said first protocol layer, and conditionally choosing a size for said information used to identify the packets between at least two alternatives.



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.